

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the instant application:

Listing of Claims:

1. (Currently Amended) [[An]] A method for delivering an Application Service Provider (ASP) service to a wireless device in a personal area network (PAN) delivery method, the method comprising:

providing an ASP delivery system a short-range radio frequency communications system, said system having a host computing device connected to a computer communications network over a physical communications link medium and connected to the PAN via a short-range radio frequency communications link, said system being configured to deliver components of Application Service Provider ASP services over short-range radio communications links to wireless devices in the PAN a personal area network (PAN), and also to retrieve at least a portion of said components of said Application Service Provider ASP services from Application Service Providers ASPs in said computer communications network over said physical communications link medium when necessary, wherein said components of said Application Service Provider ASP services comprise a plurality of different software programs from among which a user of [[a]] the wireless device selects and interacts with via a short-range radio communications link;

detecting a presence of the wireless device in the PAN by the ASP delivery system;

establishing a short-range radio communications link with [[a]] the wireless device in said PAN and verifying subscription of or offering subscription to the wireless device;

transmitting to said wireless device over the short-range radio communications link a list of said ~~Application Service Provider~~ ASP services available in the ASP delivery system or retrievable from ASPs in the computer communications network;

receiving from said wireless device requests for at least one of said ~~Application Service Provider~~ ASP services selected from said list of ~~Application Service Provider~~ ASP services;

for each component of said selected ~~Application Service Provider~~ ASP services, determining if said ~~host computing device~~ ASP delivery system can immediately deliver said component without requiring retrieval of said component from said ~~Application Service Providers~~ ASPs and immediately delivering said component to said wireless device if retrieval of said component is not required; and,

if said ~~host computing device~~ ASP delivery system cannot deliver said component without requiring retrieval of said component from said ~~Application Service Providers~~ ASPs, retrieving said component for said at least one ~~Application Service Provider~~ ASP service from one of said ~~Application Service Providers~~ ASPs over said physical communications link medium.

2. (Original) The method of claim 1, wherein said step of establishing a short-range radio communications link with said wireless device in said PAN comprises:

establishing a BLUETOOTH-based communications link with said wireless device.

3. (Original) The method of claim 1, wherein said step of establishing a short-range radio communications link with said wireless device in said PAN comprises:

establishing an IEEE 802.11b based communications link with said wireless device.

4. (Original) The method of claim 1, wherein said step of establishing a short-range radio communications link with said wireless device in said PAN comprises:

establishing an IEEE 802.11a based communications link with said wireless device.

5. (Currently Amended) An Application Service Provider (ASP) delivery system ~~comprising a host computing system~~ configured to communicate both with a computer communications network over a physical communications link medium and also with a plurality of wireless devices in a personal area network (PAN), said ~~host~~ ASP delivery system comprising:

a short-range radio communications system for establishing and maintaining wireless communications in said PAN;

a memory element for storing a list of ~~Application Service Provider~~ ASP services which can be accessed by said wireless devices in said PAN ~~from said host computing system~~ via a short-range radio frequency communications link ~~the wireless communication between said host computing system and said wireless devices~~, said list indicating which components of said ~~Application Service Provider~~ ASP services can be distributed to said wireless devices in said PAN, wherein said components of said ~~Application Service Provider~~ ASP services in said list reside locally in said memory element and and/or remotely in ~~Application Service Provider~~ ASP servers in said communications network, wherein said components of said ~~Application Service Provider~~ ASP services comprise a plurality of different software programs that execute on at least one of said ~~host computing device~~ ASP delivery system and an ~~Application Service Provider~~ ASP server, each of the different software programs being configured to be executed by said wireless device when received; and

a processing element for processing requests for delivering at least one of said ~~Application Service Provider~~ ASP services to at least one of said wireless devices,

wherein said components residing locally in said memory element are delivered to said wireless devices immediately, and wherein said components residing remotely are retrieved from said ~~Application Service Provider~~ ASP and delivered to said wireless devices.

6. (Original) The system of claim 5, wherein said short-range radio communications system comprises:

a short-range radio communications system configured in accordance with BLUETOOTH specifications.

7. (Previously Presented) The system of claim 5, wherein said short-range radio communications system comprises:

a short-range radio communications system configured in accordance with IEEE 802.11a.

8. (Previously Presented) The system of claim 5, wherein said short-range radio communications system comprises:

a short-range radio communications system configured in accordance with IEEE 802.11b.

9. (Currently Amended) A computer-readable storage medium having stored thereon a computer program for delivering components for Application Service Provider (ASP) services to a wireless device in a personal area network (PAN), said computer program comprising a routine set of instructions for performing the steps of:

providing an ASP delivery system connected to a computer communications network over a physical communications link medium and connected to the PAN via a short-range radio frequency communications link, said system being configured to

deliver components of ASP services over short-range radio communications links to wireless devices in the PAN, and also to retrieve at least a portion of said components of said ASP services from ASPs in said computer communications network over said physical communications link medium when necessary, wherein said components of said ASP services comprise a plurality of different software programs from among which a user of the wireless device selects and interacts with via a short-range radio communications link;

detecting a presence of a wireless device in a personal area network (PAN) by the ASP delivery system;

establishing a short-range radio communications link between a ~~host computing device~~ an (ASP) delivery system and a wireless device in a personal area network (PAN) and verifying subscription of or offering subscription to the wireless device;

transmitting from said ~~host computing device~~ (ASP) delivery system to said wireless device over said short-range radio communications link a list of ~~Application Service Provider~~ ASP services from among which a user of said wireless device selects at least one to receive over said short-range radio communications link;

receiving requests for selected ~~Application Service Provider~~ ASP services at said ~~host computing device~~ (ASP) delivery system from said wireless device, said ~~Application Service Provider~~ services comprising a plurality of components comprising different software programs;

for each component of said selected ~~Application Service Provider~~ ASP services, determining if said ~~host computing device~~ (ASP) delivery system can deliver said component of said requested ~~Application Service Provider~~ ASP services without requiring retrieval of said component from an external ~~Application Service Provider~~ ASP and immediately forwarding said component to said wireless device in said PAN over said short-range radio communications link if retrieval of said component from said external ~~Application Provider~~ ASP is not required; and,

if said component of said requested ~~Application Service Provider~~ ASP services cannot be provided by said ~~host computing device~~ (ASP) delivery system without requiring retrieval of said component from said external ~~Application Service Provider~~ ASP, retrieving said component from said external ~~Application Service Provider~~ ASP and forwarding said retrieved component to said wireless device in said PAN over said short-range radio communications link.

10. (Previously Presented) The computer-readable storage medium of claim 9, wherein said step of establishing a short-range radio communications link with said wireless device in said PAN comprises:

establishing a BLUETOOTH-based communications link with said wireless device.

11. (Previously Presented) The computer-readable storage medium of claim 9, wherein said step of establishing a short-range radio communications link with said wireless device in said PAN comprises:

establishing an IEEE 802.11b based communications link with said wireless device.

12. (Previously Presented) The computer-readable storage medium of claim 9, wherein said step of establishing a short-range radio communications link with said wireless device in said PAN comprises:

establishing an IEEE 802.11a based communications link with said wireless device.

13. (Currently Amended) An Application Service Provider (ASP) delivery method, comprising:

providing a short-range radio frequency communications system, said system having a ~~host computing device~~ an ASP delivery system connected to a computer communications network over a physical communications link medium, said system being configured to deliver components of ~~Application Service Provider~~ ASP services over short-range radio communications links to a wireless device in a personal area network (PAN), and also to retrieve over said physical communications link medium at least a portion of said components for available ~~Application Service Provider~~ ASP services from ~~Application Service Providers~~ ASPs in said computer communications network, wherein said components of said available ~~Application Service Provider~~ ASP services comprise a plurality of different software programs from among which a user of a wireless device can select at least one;

establishing a short-range radio communications link with a wireless device in said PAN;

transmitting a list of said available ~~Application Service Provider~~ ASP services from said host computing device to said wireless device over one of the short-range radio communications links;

said wireless device requesting to said ~~host computing device~~ ASP delivery system at least one available ~~Application Service Provider~~ ASP service listed among the list of said available ~~Application Service Provider~~ ASP services;

for each component of said at least one requested ~~Application Service Provider~~ ASP service, determining if said ~~host computing device~~ ASP delivery system can provide said component for said requested at least one ~~Application Service Provider~~ ASP service without requiring retrieval of said component from said ~~Application Service Providers~~ ASPs and immediately forwarding to said wireless device said component if retrieval of said component from said ~~Application Service Providers~~ ASPs is not required; and,

if said ~~host computing device~~ ASP delivery system cannot forward said requested at least one ~~Application Service Provider~~ ASP service without requiring retrieval of said component from said ~~Application Service Providers~~ ASPs, retrieving said component from said ~~Application Service Providers~~ ASPs over said physical communications link medium and forwarding said retrieved component to said wireless device in said PAN over said short-range radio communications link.

14. (Currently Amended) The method of Claim 13, wherein said list of Available ~~Service Provider~~ ASP services is transmitted to said wireless device in response to a query transmitted by said wireless device.

15. (Currently Amended) The method of Claim 13, wherein said list of Available ~~Service Provider~~ ASP services is transmitted to said wireless device automatically from said Available ~~Service Providers~~ ASPs in response to detecting a presence of said wireless device within said PAN.

16. (Currently Amended) The method of Claim 13, further comprising determining whether said wireless device is a valid subscriber of said Available ~~Service Providers~~ ASPs services.

17. (Currently Amended) The method of Claim 16, further comprising prompting said wireless device to register with the Available ~~Service Providers~~ ASPs if said wireless device is not a valid subscriber.

18. (Previously Presented) The method of Claim 13, wherein the list of available services is determined based upon at least one of prioritization, transaction statistics, resources of said wireless device, and resources of said communications system.

19. (Previously Presented) The method of Claim 1, wherein each of the different software programs is configured to be executed by said wireless device.

20. (Previously Presented) The method of Claim 13, wherein each of the different software programs is configured to be executed by said wireless device.